

September 2004

Fort McPherson

Installation Action Plan



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Fort McPherson
Atlanta, Georgia
Installation Action Plan



Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total, multi-year Installation Restoration Program for an installation. The plan will identify environmental cleanup requirements at each site or area of concern, and propose a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

The IRP is specifically focused at contamination resulting from past activities, and is funded by the centrally-managed Environmental Restoration, Army (ER,A) budget account. Cleanup activities directed at contamination primarily resulting from current operations are separately funded and managed, and, although mentioned where relevant, will not generally be discussed in detail in an IAP.

In an effort to coordinate planning information between the IRP manager, major army commands (MACOMs), installations, executing agencies, regulatory agencies, and the public, an IAP has been completed for Fort McPherson. The IAP is also used to track requirements, schedules and budgets for all Army Installation Restoration Programs.

All site specific funding and schedule information has been prepared according to projected, overall, FORSCOM funding levels and is therefore subject to change. All remedies were in place at Fort McPherson in 1999. This plan is based on current knowledge of the installation. As additional information is obtained the IAP will be amended to address areas of concern.

The following agencies contributed to the formulation and completion of this Installation Action Plan:

Engineering & Environment, Inc.

Forts McPherson & Gillem

U.S. Army Environmental Center

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Acronyms & Abbreviations

AAFES	Army, Air Force Exchange Service
AEC	Army Environmental Center
AOC	Area of Concern
AST	Aboveground Storage Tank
BRAC	Base Realignment and Closure
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CAMU	Corrective Action Management Unit
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CMI	Corrective Measure Investigation
CMS	Corrective Measure Study
DA	Department of the Army
DD	Decision Document
DEH	
DERA	Defense Environmental Restoration Account
DERP	Defense Environmental Restoration Program
DIS	Directorate of Installation Support
DOD	Department of Defense
DOL	Directorate of Logistics
DPW	Directorate of Public Works
DRMO	Defense Reutilization and Marketing Office
DSERTS	Defense Site Environmental Restoration Tracking System
EPA	United States Environmental Protection Agency
ER,A	Environmental Restoration, Army (formerly known as DERA)
ESI	Expanded Site Investigation
FORSCOM	Army Forces Command
FS	Feasibility Study
FTMP	DSERTS Database Code for Fort McPherson
FY	Fiscal Year
GADOT	Georgia Department of Transportation
GAEPD	Georgia Environmental Protection Division
HSRA	Hazardous Site Response Act
HW	Hazardous Waste
IAG	Interagency Agreement
IAP	Installation Action Plan
IR	Information Repositories
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long Term Monitoring
LTO	Long Term Operation
MACOM	Major Army Command
MCL	Maximum Contaminant Level
NBC	Nuclear, Biological and Chemical
NE	Not Evaluated
NFA	No Further Action
NFRAP	No Further Remedial Action Planned
NOV	Notice of Violation
NPL	National Priorities List
NSTMP	
OB/OD	Open Burning / Open Detonation

Acronyms & Abbreviations

OMA	Operations and Maintenance - Army
OMAR	Operations and Maintenance - Army Reserve
OWS	Oil and Water Separator
PA	Preliminary Assessment
PAH	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Perchloroethylene
POL	Petroleum, Oil and Lubricants
PPB	Parts Per Billion
PPM	Parts Per Million
PX	Post Exchange
PY	Prior Year
RA	Remedial Action
RAB	Restoration Advisory Board
RA(C)	Remedial Action - Construction
RA(O)	Remedial Action - Operation
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
REM	Removal
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RIP	Remedy in Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
RSC	Regional Support Command
S&A	Supervision and Administration
S&R	Supervision and Remediation
SI	Site Investigation
SJA	Staff Judge Advocate
STP	Sewage Treatment Plant
SVE	Soil Vapor Extraction
SVOC	Semi-Volatile Organic Compounds
SWMU	Solid Waste Management Unit
SWMUG	Solid Waste Management Unit Group
TCE	Trichloroethylene
TCLP	Toxicity Characteristic Leachate Procedure
TERC	Total Environmental Restoration Contract
TPH	Total Petroleum Hydrocarbons
TRC	Technical Review Committee
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Center
USAR	United States Army Reserve
USARC	United States Army Reserve Command
USATHMA	United States Army Toxic and Hazardous Material Agency (replaced by AEC)
UST	Underground Storage Tank
UXO	Unexploded Ordnance
VOC	Volatile Organic Compounds

STATUS:	Non-National Priority List (NPL)
TOTAL # OF AEDB-R SITES:	11
RIP with RA(O):	2
RESPONSE COMPLETE (RC) SITES:	9
DIFFERENT SITE TYPES:	1 Contaminated Fill 1 Surface Disposal Area 4 Oil Water Separators 1 Above Ground Storage Tank 4 Ungerground Storage Tanks
CONTAMINANTS OF CONCERN:	POL, Metals, Solvents
MEDIA OF CONCERN:	Soil, Groundwater
COMPLETED REM/IRA/RA:	- Removal of 4 USTs and the excavation of soil at FTMP 06 - Passive removal system at FTMP-09, 10
CURRENT IRP PHASES:	RA(O) at 2 sites
PROJECTED IRP PHASES:	None
IDENTIFIED POSSIBLE REM/IRA/RA:	None planned
DURATION:	Year of Inception: 1980 Year of IRP Completion Excluding RA(O): 1999 Year of IRP Completion Including RA(O): 2006

Installation Information

SITE DESCRIPTION:

Fort McPherson is located on approximately 507 acres of land in the city limits of Atlanta, Fulton County, Georgia. The Installation is bounded by residential areas to the north (Oakland City), east (Lakewood), and west. Mixed residential and industrial areas lie immediately south of the Installation. It is centrally located in the Atlanta metropolitan area approximately 4 miles southwest of downtown and 3 miles north of Atlanta's Hartsfield International Airport.

COMMAND ORGANIZATION:

Major Command: U.S. Army Forces Command (FORSCOM)

Installation: Fort McPherson, Georgia

IRP EXECUTING AGENCIES:

Fort McPherson and U.S. Army Corps of Engineers, Savannah District

**REGULATORY
PARTICIPATION:**

Federal: U.S. Environmental Protection Agency, Region IV

State: Georgia Department of Natural Resources, Environmental Protection Division (GA EPD)

REGULATORY STATUS:

Non-National Priority List (NPL), confirmed off-post contamination

**MAJOR CHANGES TO IAP
FROM PREVIOUS YEAR:**

None: All remedies are in place.

Installation Description

CURRENT ACTIVITY:

Fort McPherson is an active U.S. Army facility which houses many headquarters and tenant organizations. The Installation is the home of the U.S. Army Forces Command (FORSCOM). FORSCOM is responsible for the training and readiness of nearly one million active, Army National Guard and Army Reserve soldiers, providing effective, strategic forces capable of responding rapidly in support of national security. FORSCOM commands the Third U.S. Army and the U.S. Army Reserve Command (USARC), both of which are headquartered at Fort McPherson. Fort McPherson is not scheduled for closure at this time.

The installation is roughly rectangular in shape and is situated due north of Highway 166 (Langford Freeway), west of Highway 29 (Lee Street), and southeast of Campbellton Road. Land use within 1/4 mile is residential with zones of light industry interspersed.

HISTORIC ACTIVITY:

Congress designated McPherson Barracks as a permanent post in 1884 and named it Fort McPherson. Many of the permanent structures at Fort McPherson were constructed during the period of 1884-1889. This older section of the post, which includes Hedekin Field and adjacent residential and administrative areas, was placed on the National Register of Historic Places in 1975.

Fort McPherson has been most active in the past during periods of conflict. During the Spanish/American War, the post served as a training base for the 29th U.S. Volunteers and during World War I became noted for its officer training school, hospital and internment camp for 1400 German prisoners of war.

During the periods 1920-1924, and 1927-1934, Fort McPherson was headquarters for the 4th Corps, which had formerly been known as the "Southeastern Department" of military responsibility. Following a major expansion of the post hospital in 1931, Fort McPherson became known primarily as a rehabilitation center.

At the outbreak of World War II, the facilities at Fort McPherson were used primarily as an induction, reception and separation center for U.S. military servicemen. Since the end of World War II, Fort McPherson's major function has been to provide administrative support for the 3rd Army Command Headquarters. On July 31, 1973, Headquarters Forces Command (FORSCOM) was established at Fort McPherson. Fort McPherson presently houses FORSCOM Headquarters, 3rd Army Headquarters, HQ Reserves and several smaller tenant activities, ranging from the regional dental service to a special security detachment.

Contamination Assessment

Specific areas within the Installation boundaries were used for disposal of ash or slag from 1943 to 1948, and subsequently for open-pit burning of combustible solid wastes. The primary contaminants of concern at Fort McPherson are heavy metals, POL and solvents which have been deposited as a result of various activities.

FTMP-01	Building 363 - Paint Shop
FTMP-02	Building 41 - SJA Office - UST
FTMP-03	Building 350 (346) - Motor Pool Gas Station - Waste Oil Tank
FTMP-04	Building 350 (346) - Motor Pool Gas Station - Oil/Water Separator
FTMP-05	Building 370 - Auto Craft Shop - Oil/Water Separator
FTMP-06	Old Incinerator Ash Dump (New Barracks Site)
FTMP-07	Building 357 - DEH Maintenance - Oil/Water Separator
FTMP-08	Building 370 - Auto Craft Shop - Waste Oil Tank (RC)
FTMP-09	Building 143 - PX Gas Station - Misc. USTs
FTMP-10	Building 105 - Veterinary Clinic (Old PX Gas Station)
FTMP-11	Building 360/363 - Commissary Parking Lot

Contamination Assessment

PREVIOUS STUDIES

1976

- Analytical/Environmental Assessment Report on Plans for Future Development - Fort McPherson, Georgia, Ralph Liss Associates, December
- Environmental Impact Assessment - Fort McPherson, Georgia, Ralph Liss Associates
- Analysis of Existing Facilities & Environmental Assessment Report - Fort McPherson, Georgia, Ralph Liss Associates

1979

- A Cultural Reconnaissance of Specified Areas at Fort McPherson, Fort Gillem, and the FORSCOM Recreation Area at Lake Alatoona, Coastal Zone Resources Division - Ocean Data Systems, Inc., March
- Recreational Development/Environmental Assessment Report for FORSCOM Recreation Area, Lake Alatoona, Georgia, Miller, Wihry & Lee, Inc., August

1983

- Installation Assessment of Fort McPherson, Georgia - Report No. 329, Environmental Science & Engineering, Inc.

1985

- Master Plan Report - Fort McPherson, Georgia, RMS Corporation, June

1988

- PA for FTMP-01

1990

- Wastewater Management Survey - No. 32-6-0166-91, Fort McPherson and Fort Gillem, Georgia, Department of the Army, U.S. Hygiene Activity, November

1992

- UST Closure Assessment FTMP-02 January
- Tank Closure FTMP-03, January

1993

- Environmental Assessment for Barracks with Dining - Fort McPherson, Georgia, Environmental Resources Branch, Planning Division
- FS for FTMP-06, March/April

1996

- Studies at FTMP-10 (CAP A & B), November

1997

- Studies at FTMP-10 (CAP A & B), March
- Geophysical Investigation FTMP-10

1999

- NFA report FTMP-06
- Groundwater investigation FTMP-06
- CAP for FTMP-09, March

PAST IRP MILESTONES

1988

- Preliminary Assessment was completed for all sites at Fort McPherson.

1990

- UST Removal at FTMP-10, February.

1991

- IRA, consisting of the removal of a UST and surrounding soil from FTMP-02, Building 41-SJA Office, was conducted.
- A waste oil tank (IRA) from FTMP-03, the Motor Pool Gas Station- Waste Oil Tank was removed.

1992

- Site Investigation at FTMP 06, FTMP 09 & FTMP 10 occurred.

1993

- IRA tank removal was completed at FTMP 08, Building 370 (Auto Craft Shop - Waste Oil Tank).
- A soil vapor extraction pilot test (IRA) was initiated at FTMP 09 (Building 143- PX Gas Station).
- Phase I-II RI at FTMP-06, February.
- FS at FTMP-06, March.

1994

- CAP at FTMP-09, March.

1996

- Soil was excavated (IRA) at site FTMP 06, the Old Incinerator Ash Dump Site (New Barracks Site).
- CAP at FTMP-10, November.
- ESI at FTMP-10, August.

1997

- CAP at FTMP-10, March.

1998

- Free product recovery system at FTMP-09.

1999

- Passive fuel recovery system at FTMP-09.
- Passive fuel recovery at FTMP-10.

FUTURE IRP MILESTONES

2005

- All RA(O) completed

Remediation Activities

COMPLETED REM/IRA/RA:

- Tank removal at FTMP-10, Feb 1990
- Tank and 15cy of soil removed at FTMP-10, Nov 1991
- Tank removal at FTMP-03, Dec 1991
- Tank removal at FTMP-08, June 1993
- SVE pilot test at FTMP-09
- Approximately 112,000 tons of affected material were removed from the Incinerator Ash Disposal Site, 1996
- Free product recovery at FTMP-09, 1998
- Passive fuel recovery at FTMP-09, 1999
- Free product recovery at FTMP-10
- Passive fuel recovery at FTMP-10, 1999

CURRENT REM/IRA/RA:

- A free product recovery system and performance monitoring is currently underway at FTMP-09.
- Enhanced bioremediation using an oxygen releasing compound and a free product recovery system is underway at FTMP-10.

FUTURE REM/IRA/RA:

- None

Community Involvement

RESTORATION ADVISORY BOARD STATUS

Fort McPherson has not yet formed a Restoration Advisory Board (RAB). There has been no community interest in the Installation Restoration Program (IRP) to date.

The IRP has rendered “No Further Action” status at all of the sites at Fort McPherson except two. The two sites, Bldg. 143 - PX Gas Station (FTMP 09) and Bldg. 105 - Veterinary Clinic (Old PX Gas Station) (FTMP 10), have petroleum contamination in the groundwater, but it is not a threat to human life. Recovery systems are reducing the petroleum levels in the groundwater.

FTMP-01 BUILDING 363 - PAINT SHOP

SITE DESCRIPTION

This site is currently active and is not eligible for ER,A funding.

The paint shop at Bldg. 363 is currently used as a paint storage area. No tanks are associated with this site. A Preliminary Assessment for this site was completed in April 1988. The Directorate of Installation Support (DIS), Environmental Division, removed oil sludge from the oil/water separator, filled it with gravel and closed the site.

No further action is required under the IRP for this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

Solvents, Oil Based Paint

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-02 BUILDING 41 - SJA OFFICE - UST

SITE DESCRIPTION

Building 41, the Staff Judge Advocate (SJA) office utilized a fuel fired boiler for heating. A steel, 5,000 gallon underground storage tank (UST) located south of the building provided heating oil to the boiler system. Tank and pipe integrity testing indicated that both the UST and piping were leaking, therefore the UST system was removed from Building 41 in November 1991. Petroleum contaminated soil was present in the tank pit. One hundred and fifty seven cubic yards of contaminated soil were removed from the tank pit, however confirmatory sampling indicated that petroleum contaminated soils still existed in the tank pit.

A UST Closure Assessment report was submitted to the Georgia Environmental Protection Division (GA EPD) Underground Storage Tank Management Program in January 1992. The Closure Assessment report provided the field work and analytical data for the removal of the UST.

No further action is required under the IRP at this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, IRA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-03 - BLDG 350 (346) MOTOR POOL GAS STATION- ASH WASTE OIL TANK

SITE DESCRIPTION

The Waste Oil Tank at Bldg. 350 (346) was removed in December 1991 and overexcavated. A Tank Closure Report was submitted in January 1992 detailing the findings of samples collected from the area around this site.

No further action is required under the IRP at this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, IRA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-04 - BLDG. 350 (346) MOTOR POOL GAS STATION - OIL/WATER SEPARATOR

SITE DESCRIPTION

The site is not eligible for ER, A funding.

The Oil/Water Separator for Building 350 (346) is a 2000 gallon, single wall underground flow through separator manufactured by Highland Tank & Manufacturing Company. The Oil/Water Separator services the fuel dispenser island at the DOL Motor Pool and the automatic car wash. The tank is active and periodically inspected and cleaned under the Oil/Water Cleaning and Maintenance Contract. There are no known environmental problems associated with this site.

No further action is required under the IRP at this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-05 - BLDG. 370 AUTO CRAFT SHOP - OIL/WATER SEPARATOR

SITE DESCRIPTION

This site is active and is not eligible for ER, A funding.

The Oil/Water Separator at Building 370 currently receives petroleum products from the floor drains inside the Auto Craft Shop and wash water from the steam cleaning wash rack. Recent construction activities in the area have resulted in a broken junction box where effluent piping conducts wash water from the Auto Craft shop to the Oil/Water Separator. Also, recontouring of the surrounding land has led stormwater runoff to enter the Oil/Water Separator and broken junction box resulting in the system backing up.

The tank is active and periodically inspected and cleaned under the Oil/Water Cleaning and Maintenance Contract. A new Oil/Water Separator was installed in 1999 using non-ER,A funds.

No further action is required under the IRP at this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

OLD INCINERATOR ASH DUMP (NEW BARRACKS SITE)

SITE DESCRIPTION

The Old Incinerator Ash Dump Site is located near the center of Fort McPherson. The area was used for burning trash in open pits and for disposal of solid waste incineration ash. Until the late 1960s, combustible solid wastes were burned daily in open, unlined pits excavated in the area. Burn residue was left in the pits; when a pit became full, it was covered with dirt. Waste materials burned in these pits reportedly included domestic garbage, hospital waste, minor industrial waste, (i.e. waste paints, solvents, oils, etc.) and construction and demolition debris.

Prior to the use of earthen burning pits, a solid waste incinerator was used to burn waste material. The incinerator was located on the edge of the burn pit/landfill area in Building 440. The facility was constructed in 1943 and was used less than five years before being abandoned. Ash from the incinerator was spread on the ground in this area from 1943 to 1948.

In 1991, despite the known environmental concerns, it was decided that this area was the prime choice for construction of a new barracks complex. By February 18, 1993, a Phase I and II RI had been performed at this site. The investigations revealed trace volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and elevated metal concentrations in subsurface soils at the site. The Phase I and Phase II investigations indicated that lead may be leaching from the waste material into the groundwater. Based on this belief, comments provided by GA EPD informed the Army that “a plan to remove or control the waste must be submitted.” To achieve this, a focused feasibility study was conducted during March and April 1993. During the design process, GA EPD indicated it would require clean-up of the groundwater as well as soils and debris. An agreement was reached between the two parties that groundwater characterization could be conducted during the remediation and construction of the barracks and that groundwater remediation, if required, could be achieved after construction of the barracks complex is completed.

Approximately 47,037 tons of affected material was excavated from the barracks construction site. During the initial remediation project, it was determined that contaminated ash and debris extended under the 12th fairway of the Fort McPherson golf course. Another 65,355 tons of affected material was excavated from the 12th fairway for a total of 112,392 tons. Of this total, 45,286 tons were determined to be hazardous based on the results of toxicity characteristic leaching procedure (TCLP) analysis; thus, this material was stabilized with portland type cement and fly ash and reanalyzed to assure it would pass the TCLP analysis prior to off-site disposal.

Long term monitoring was conducted for three years. A report recommending No Further Action status was submitted to GA EPD for approval in 1999.

Waiting for state response to revised Groundwater Investigation Report.

STATUS

RRSE RATING: High

CONTAMINANTS:

Metals

MEDIA OF CONCERN:

Groundwater, Sils

COMPLETED IRP PHASE:

PA/SI, RI/FS, IRA, LTM

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-07 BLDG. 357 - DEH MAINTENANCE

SITE DESCRIPTION

The Oil/Water Separator at this site is currently active and is ineligible for ER, A funding.

The Oil/Water Separator at Building 357 currently receives petroleum products from the floor drains of the wash rack. The tank is active and periodically inspected and cleaned under the Oil/Water Cleaning and Maintenance Contract. There are no known environmental problems associated with this site.

No further action is required under the IRP for this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-08 BLDG. 370 - AUTO CRAFT SHOP - WASTE OIL TANK

SITE DESCRIPTION

The Waste Oil Tank at Building 370 was removed and over excavated on June 8, 1993. Fort McPherson installed a new above ground storage tank (AST) with containment system in 1994. Currently, the waste oil AST receives POL products from the engine maintenance operations inside the Auto Craft Shop. The AST is active and is periodically cleaned by a waste oil recycling company.

No further action is required under the IRP at this site.

STATUS

RRSE RATING: Not Evaluated

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, IRA

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC

FTMP-09 BUILDING 143 - PX GAS STATION

SITE DESCRIPTION

The former Army Air Force Exchange Service (AAFES) PX Gas Station (Buildings 143 & 187) operated from 1959 through 1996. It was demolished in April 1996. The PX Gas Station has soil and groundwater contamination which originated from leaks in pipes that occurred in the mid-1970s.

A Corrective Action Plan (CAP) under the old GA EPD Rules was submitted to the state in March of 1994. The GA EPD USTMP has never provided Fort McPherson with technical review comments. Fort McPherson has proceeded with investigating the site by performing a soil vapor extraction (SVE) pilot test and SVE system conceptual design (IRA). Groundwater monitor wells installed around the site are sampled semi-annually to monitor BTEX contaminant migration in the ground water. Free product has recently been detected in a monitoring well at the site. A free product recovery system was installed in FY98. However it was only partially effective.

A passive fuel recovery system was installed in 1999 (RD/RA). This system was not able to recover the fuel fast enough so the free product skimmer system was re-installed.

STATUS

RRSE RATING: High

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, IRA, REM, RD, RA

CURRENT IRP PHASE:

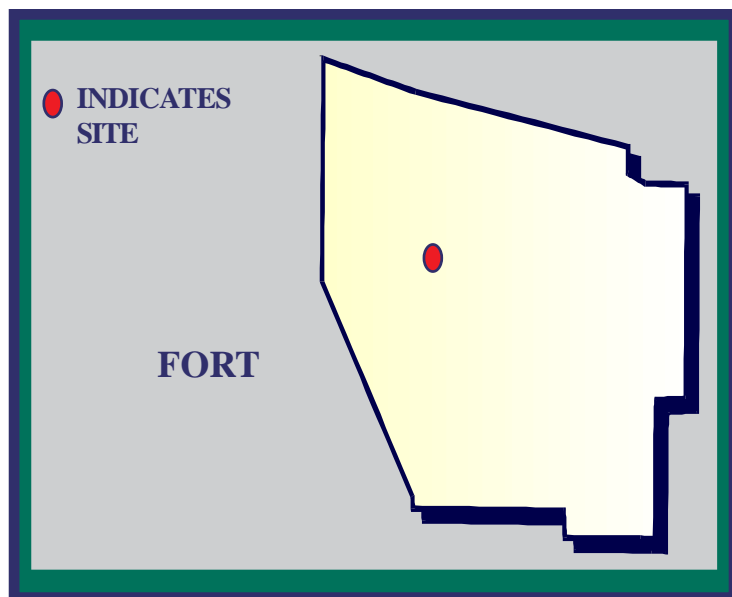
RA(O)

FUTURE IRP PHASE:

RA(O)

PROPOSED PLAN

Continue free product removal and performance monitoring. Perform a fate and transport evaluation to determine future action once free product is removed.



BLDG. 105 - VETERINARY CLINIC (OLD PX GAS STATION)

SITE DESCRIPTION

The Veterinary Clinic, Building 105, was formerly a retail gasoline station operated by Fort McPherson. The facility was known as the Post Exchange Filling Station and operated from the early 1930s until 1958. In February 1990, a 10,000 gallon UST was excavated and removed from the facility. During excavation, evidence of a release was encountered consisting of hydrocarbon stained soil.

Several phases of investigation have been performed at this site. Soil and ground water contamination was identified. Free product was detected in two of the wells, and a free product recovery system was implemented. A geophysical investigation was performed to determine the extent of off-site contaminant migration. Contamination appears to be migrating northeast (off-post), GA DOT would not allow installation of well in US Highway 29. GA EPD concurred that all investigation/remedial activities will occur on-post. Results of the investigation are presented in the CAP - Part A, dated November 1996. A CAP - Part B was submitted to GA EPD in March of 1997. Technical recommendations were provided and will be incorporated in the proposed plan. A Passive Fuel Recovery System and 3 additional wells were installed in 1999.

STATUS

RRSE RATING: High

CONTAMINANTS:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, REM, RI, RD, RA

CURRENT IRP PHASE:

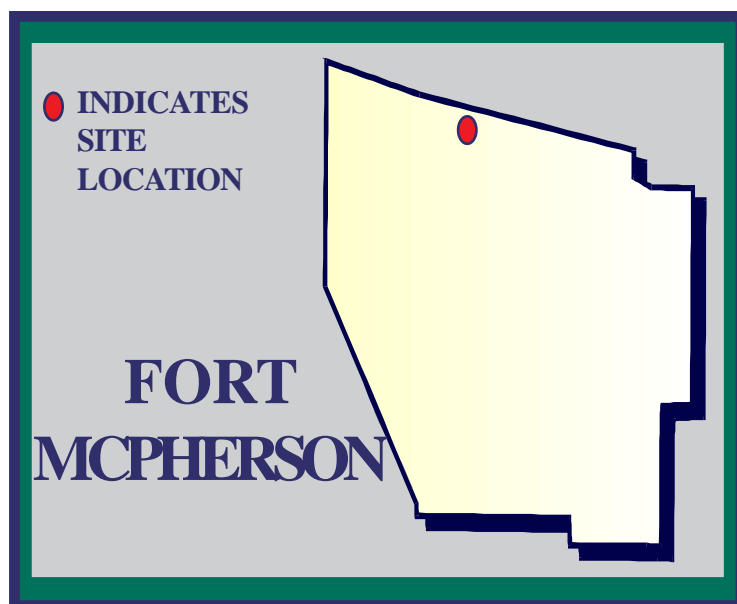
RA(O)

FUTURE IRP PHASE:

RA(O)

PROPOSED PLAN

Continue free product removal and performance monitoring.



BLDG. 360/363 - COMMISSARY PARKING LOT

SITE DESCRIPTION

This site was previously a vehicle maintenance storage yard in the early 1900s and is currently used as the commissary parking lot. Fort McPherson considered two locations, both proximal to the current commissary location, for the construction site of a new commissary facility. A site investigation (SI) was performed at one of the proposed locations. The Directorate of Installation Support (DIS) personnel, along with the Corps of Engineers, South Atlantic Division personnel, collected environmental samples from the first proposed site during the week of 10 Jun 96. The samples were collected in order to determine if any adverse environmental conditions exist in this area that would preclude this site from consideration. Three soil samples were collected from beneath the current commissary asphalt parking lot. Of the three samples that were collected, two were found to contain trichloroethene (TCE) at concentrations that exceed the Georgia Environmental Protection Division (GA EPD) Hazardous Site Response Act (HSRA) notification concentration.

DIS initiated an expanded site investigation (ESI), beginning 09 Aug 96, encompassing the original location as well as an alternate location. The ESI was a combined effort involving the Corps of Engineers, Savannah and South Atlantic Divisions and DIS Environmental Division. Twelve locations were sampled to delineate the soil and groundwater chemistry both horizontally and vertically. The samples were analyzed for the constituents of concern identified in the SI, volatile organic compounds (VOCs). None of the soil samples that were collected during the ESI contained VOCs that exceed the HSRA notification concentration.

DIS notified GA EPD of its intent to construct the new facility and of the findings of both the SI and ESI in a letter dated 26 Aug 96. GA EPD responded with a letter dated 19 Sep 96 which stated that soils containing TCE at Site 1 must be removed prior to the initiation of construction at this site. The letter stated that corrective action or further investigation of the groundwater at the site is not warranted since the construction of the new facility has moved to another location.

No further action is required at this site.

STATUS

RRSE RATING: Low

CONTAMINANTS:

Solvents

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC

FUTURE IRP PHASE:

RC